

DT14 Rec'd PCT/PTO 05 OCT 2004

10/510404

Attorney Docket No. LAIN 3157

Express Mail

Label No: EL990278191

Date of Deposit: October 5, 2004

Postcard: 10/04-3

**TRANSMITTAL LETTER TO THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

(ENTRY INTO U.S. NATIONAL STAGE)

PCT/FI2003/00272
INTERNATIONAL APPLICATION NO.

10 April 2003 (10.04.2003)
INTERNATIONAL FILING DATE

11 April 2002 (11.04.2002)
PRIORITY DATE CLAIMED

ELECTROSTATIC FILTER CONSTRUCTION

TITLE OF INVENTION

Ilpo KULMALA (Tampere, Finland)
Kimmo HEINONEN (Tampere, Finland)
APPLICANT(S)

**Mail Stop PCT
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450**

1. **This national stage application claims priority of the following national application(s):**

Finnish Patent Application No. 20020700 filed April 11, 2002.
2. This transmittal letter is being filed before 30 months from any claimed priority date.
3. Applicant herewith submits to the United States Patent and Trademark Office the following items under 35 USC 371:
 - A. ☒ This express request to immediately begin national examination procedures [35 USC 371(f)].
 - B. ☒ The U.S. National Fee [35 USC 371(c)(1)] and other fees [37 CFR 1.492] indicated in the attached fee calculation sheet.
4. ☒ A copy of the International application [35 USC 371(c)(2)]:
 - a. ☐ is transmitted herewith.
 - b. ☐ was previously transmitted by applicant on (date) _____.

- c. ☒ [x] has been communicated by the International Bureau. Date of communication of the application (from form PCT/IB/308): **16 October 2003 (16.10.2003)**.
5. ☒ [x] A translation of the International application into the English language [35 USC 371(c)(2)]:
- a. ☐ [] is transmitted herewith.
 - b. ☒ [x] is not required as the application was filed in English.
 - c. ☐ [] was previously transmitted by applicant on (date) _____.
 - d. ☐ [] will follow by such time as may be fixed by the Director.
6. ☒ [x] Amendments to the claims of the International application under PCT Article 19 [35 USC 371(c)(3)]:
- a. ☐ [] are transmitted herewith.
 - b. ☐ [] have previously been transmitted by the applicant on (date) _____.
 - c. ☐ [] have been communicated by the International Bureau. Date of communication of the amendment (from form PCT/IB/308): _____.
 - d. ☒ [x] have not been transmitted as
 - i. ☒ [x] applicant chose not to make amendments under PCT Article 19. Date of mailing of Search Report (from form PCT/ISA/210): **1 July 2003 (01.07.2003)**.
 - ii. ☐ [] the time limit for the submission of amendments has not yet expired. The amendments or a statement that amendments have not been made will be transmitted before the expiration of the time limit under PCT Rule 46.1.
7. ☒ [x] A translation of the amendments to the claims under PCT Article 19 [35 USC 371(c)(3)]:
- a. ☐ [] is transmitted herewith.
 - b. ☐ [] is not required as the amendments were made in the English language.
 - c. ☒ [x] has not been transmitted for reasons indicated at point 6d above.
8. ☒ [x] A copy of the International Preliminary Examination Report (PCT/IPEA/409)
- a. ☒ [x] is transmitted herewith.

- b. ☐ is not required as the application was filed with the United States Receiving Office.
9. ☒ Annex(es) to the International Preliminary Examination Report
- a. ☐ is/are transmitted herewith.
- b. ☐ is/are not required as the application was filed with the United States Receiving Office.
- c. ☒ is/are not being transmitted as there is/are no Annex(es).
10. ☒ A translation of the annexes to the International Preliminary Examination Report
- a. ☐ is transmitted herewith.
- b. ☐ is not required as the annexes are in the English language.
- c. ☒ is not being transmitted for the reason indicated at point 9c above.
11. ☒ An oath or declaration of the inventor [35 USC 371(c)(4)] complying with 35 USC 115
- a. ☐ was previously submitted by applicant on (date) _____.
- b. ☐ is submitted herewith and such oath or declaration
- i. ☐ is attached to the application
- ii. ☐ identifies the application and any amendments under PCT Article 19 which were transmitted as stated in points 5a or b; and states that they were reviewed by the inventor as required by 37 CFR 1.70.
- c. ☒ will follow by such time as may be fixed by the Director.
12. ☒ An International Search Report (PCT/ISA/210) or Declaration under PCT Article 17(2)(a):
- a. ☒ is transmitted herewith.
- b. ☐ was previously transmitted by applicant on (date) _____.
- c. ☐ has been communicated by the International Bureau. Date of communication (from form PCT/IB/308): _____.
- d. ☐ is not required as the application was searched by the United States International Searching Authority.
- e. ☐ will be transmitted promptly upon request.

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98:

a. ☒ is transmitted herewith.

Also transmitted herewith is

☒ Form PTO-1449

☒ Copies of citations listed

b. ☐ was previously transmitted by applicant on (date) _____.

c. ☐ will be transmitted within THREE MONTHS of the date of submission of requirements under 35 USC 371(c).

14. ☐ The applicant claims small entity status with respect to this application.

☐ A Verified Statement Claiming Small Entity Status is attached.

☐ The undersigned claims small entity status on behalf of the applicant.

15. ☐ An assignment document is transmitted herewith for recording. A separate ☐ "RECORDATION COVER SHEET" is also attached.

16. ☒ Additional documents

a. ☐ Copy of request (PCT/RO/101)

b. ☒ International Publication No. WO 03/084665

i. ☐ Specification, claims and drawing

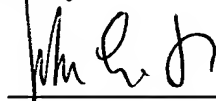
ii. ☒ Front page only

c. ☒ Preliminary amendment

d. ☒ Abstract

e. ☒ Other: PCT/IB/308

17. ☐ Certain requirements under 35 USC 371 were previously submitted by the applicant on _____, namely:



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FEE CALCULATION SHEET

Entry into National Stage of PCT/FI2003/00272

CLAIMS FEE	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
* [x]	TOTAL CLAIMS 8	-20 =	0	x \$ 18 =	\$ 0
	INDEPENDENT CLAIMS 1	- 3 =	0	x \$ 88 =	\$ 0
	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$200 =	\$ 0
BASIC FEE	<input type="checkbox"/> U.S. PTO WAS INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where an international preliminary examination fee as set forth in § 1.482 has been paid on the international application to the U.S. PTO: <input type="checkbox"/> and the international preliminary examination report states that the criteria of novelty, inventive step (non-obviousness) and industrial activity, as defined in PCT Article 33(1) to (4) have been satisfied for all the claims presented in the application entering the national stage [37 CFR 1.492(a)(4)] \$100 <input type="checkbox"/> and the above requirements are not met [37 CFR 1.492(a)(1)] \$750 <input checked="" type="checkbox"/> U.S. PTO WAS NOT INTERNATIONAL PRELIMINARY EXAMINATION AUTHORITY Where no international preliminary examination fee as set forth in § 1.482 has been paid to the U.S. PTO, and payment of an international search fee as set forth in § 1.445(a)(2) to the U.S. PTO: <input type="checkbox"/> has been paid [37 CFR 1.492(a)(2)] \$790 <input checked="" type="checkbox"/> has not been paid [37 CFR 1.492(a)(3)] \$1,110 <input type="checkbox"/> where a search report on the international application has been prepared by the European Patent Office or the Japanese Patent Office [37 CFR 1.492(a)(5)] \$950				1,110
OTHER FEES	Surcharge for furnishing the oath or declaration later than 30 months from any claimed priority date [37 CFR 1.492(e) and 37 CFR 1.495(c)]. \$130				+ 130
	Total of above Calculations				= 1,240
SMALL ENTITY	Reduction by 1/2 for filing by small entity, if applicable. [37 CFR 1.27]				-
	Subtotal				1,240
	Processing fee for furnishing the English Translation later than 30 months from any claimed priority date [37 CFR 1.492(f) and 37 CFR 1.495(c)]. \$130				+
	Total National Fee				\$ 1,240
	Fee for recording the enclosed assignment document \$40 [37 CFR 1.21(h)].				+
TOTAL	TOTAL FEES ENCLOSED				\$ 1,240

See attached Preliminary Amendment.

[x] A check in the amount of \$1,240 to cover the above fees is enclosed.

[x] Please charge any additional basic filing fee under 37 CFR 1.492(a) which may be required by this paper, or credit any overpayment to Deposit Account No. 19-2560. (Do not charge additional claim fees under 37 CFR 1.492(b) or 1.492(c) or the surcharge for belated filing of the Declaration under 37 CFR 1.492(e) to the Deposit Account.) This sheet is filed in duplicate.

Penelope Stockwell
 Penelope Stockwell